

CLAIMS

1. A nucleic acid sequence obtained by mutation of a sequence encoding a plant protein of the GRAS family comprising the following peptide sequence (I):

Gly Tyr X₁ Val Glu Glu (I)

- in which X₁ represents arginine or asparagine, characterized in that said mutation results in a modification of said sequence (I).

2. The nucleic acid sequence as claimed in claim 1, characterized in that it encodes a mutant protein comprising the following peptide sequence (II):

Gly Tyr X₁ Val Glu X₂ (II)

- in which X₁ is as defined above, and X₂ represents an amino acid other than glutamic acid.

3. The nucleic acid sequence as claimed in claim 2, characterized in that X₂ represents a basic amino acid, preferably a lysine.

4. The nucleic acid sequence as claimed in claim 3, characterized in that it encodes the polypeptide represented in the attached sequence listing under the number SEQ ID NO: 4.

5. A plant with reduced development, comprising one or more copies of a nucleic acid sequence as claimed in any one of claims 1 to 4.

6. The plant as claimed in claim 5, characterized in that it is a crucifer.

7. The plant as claimed in claim 6, characterized in that it is a Brassicacea.
- 5 8. The plant as claimed in claim 7, chosen from rapeseed, cabbage, turnip, brown mustard and Ethiopian mustard.